

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-329730

(43)Date of publication of application : 30.11.1999

(51)Int.Cl.

H05B 33/14
G09K 11/06
H05B 33/22

(21)Application number : 10-134135

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(22)Date of filing : 18.05.1998

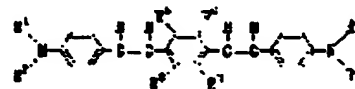
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(54) ORGANIC ELECTROLUMINESCENT ELEMENT

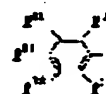
(57)Abstract:

PROBLEM TO BE SOLVED: To provide an electroluminescent element having highly bright and stable red luminescence by using a distyryl compound as a luminescent material.

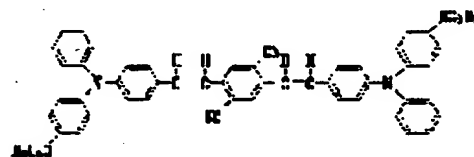
SOLUTION: An organic layer contains a distyryl compound represented by formula I. In the formula I, R1 and R4 are a non-substituted phenyl group, R2 and R3 are an aryl group represented by formula II, R5, R6, R7, and R8 are the same or a different group, and at least one of them is an amino group, a nitro group, or a halogen atom. R9-R13 in formula II are the same or a different group, and at least one of them is an unsaturated alkoxy group having two or more carbon atoms, or an alkyl group. A compound represented by formula III, for example, of the distyryl compound can be used as a luminescent layer also acting as an electron transport layer or a luminescent layer also acting as a hole transport layer, and can be constituted as a luminescent layer interposed between the electron transport layer and the hole transport layer.



I



II



III

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LEGAL STATUS

[Date of request for examination] 09.03.2005

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3852517

[Date of registration] 15.09.2006

[Number of appeal against examiner's decision]

of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

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